

DEPARTMENT of ENVIRONMENTAL SERVICES
Water Division - Watershed Management Bureau

LAKE TROPHIC DATA

MORPHOMETRIC:

Lake: WEST HILL RESERVOIR	Lake Area (ha):	4.05
Town: TROY	Maximum depth (m):	---
County: Cheshire	Mean depth (m):	---
River Basin: Connecticut	Volume (m ³):	---
Latitude: ---	Relative depth:	---
Longitude: ---	Shore configuration:	---
Elevation (ft): 1217	Areal water load (m/yr):	---
Shore length (m): ---	Flushing rate (yr ⁻¹):	---
Watershed area (ha): ---	P retention coeff.:	---
% watershed ponded: ---	Lake type:	

BIOLOGICAL:

May 2000

DOM. PHYTOPLANKTON (% TOTAL)	#1	
	#2	
	#3	
PHYTOPLANKTON ABUNDANCE (units/mL)		
CHLOROPHYLL-A (µg/L)		
DOM. ZOOPLANKTON (% TOTAL)	#1	
	#2	
	#3	
ROTIFERS/LITER		
MICROCRUSTACEA/LITER		
ZOOPLANKTON ABUNDANCE (#/L)		
VASCULAR PLANT ABUNDANCE		
SECCHI DISK TRANSPARENCY (m)		
BOTTOM DISSOLVED OXYGEN (mg/L)		
BACTERIA (E. coli, #/100 ml)	#1	
	#2	
	#3	

SUMMER THERMAL STRATIFICATION:

Depth of thermocline (m):
Hypolimnion volume (m³):
Anoxic volume (m³):

CHEMICAL:

Lake: WEST HILL RESERVOIR

Town: TROY

May 2000

DEPTH (m)					
pH (units)					
A.N.C. (Alkalinity)					
NITRATE NITROGEN					
TOTAL KJELDAHL NITROGEN					
TOTAL PHOSPHORUS					
CONDUCTIVITY (μ mhos/cm)					
APPARENT COLOR (cpu)					
MAGNESIUM					
CALCIUM					
SODIUM					
POTASSIUM					
CHLORIDE					
SULFATE					
TN : TP					
CALCITE SATURATION INDEX					

All results in mg/L unless indicated otherwise

TROPHIC CLASSIFICATION: 2000

D.O. S.D. PLANT CHL TOTAL CLASS

--	--	--	--	--	--

COMMENTS:

1. The dam creating West Hill Reservoir is currently considered unsafe and the pond was drained at the time of the visit in 2000. It is no longer considered to be a pond and will not until such time as the dam is re-built.
2. A road exists to the dam. No boat ramp exists but a small boat or canoe can be put in at the dam.